

SMOKE SIGNALS

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ELMER

by Richard Regent, K9GDF



Check us out on the web at
[Http://www.bsas.org](http://www.bsas.org)



Pictured above are some of the Tesla coils and other High Voltage devices that were enjoyed by area Amateurs and other visitors to the recent open house held by Resonance Research in Baraboo.

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WHAT’S HAPPENING

Swapfests and Other Social Events — Club Meetings Amateur Radio Exam Schedules

Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901 — kenneth.ebnetter@verizon.net

Swapfests And Other Social Events

October 23, 2004, Hamfest Minnesota and Computer Expo. At the Wilkins Auditorium at River Centre, St. Paul, MN from 8am to 2pm! Contact: Gale Allen, N0MGQ, 10509 Audubon Court, Eden Prairie, MN 55347, Phone: 612-810-7050. Email: gallen@ece.umn.edu <http://www.hamfestmn.org>

November 6, 2004. Milwaukee Repeater Club Amateur Radio Fest 2004, Waukesha County Expo Center Forum Buildings, Waukesha, WI. Pancake breakfast 7:00 - 9:00 a.m. <http://www.mrc91.org>. e-mail: swapfest@mrc91.org

November 7, 2004 Menasha, WI. Amateur Radio Swapmeet 2004 sponsored by: The Fox Cities Amateur Radio Club. Waverly Beach (inside) at the North tip of Lake Winnebago, this location is a great place to just visit and have a brew, join us at N8770 Fire Lane 1, Menasha. Talk in on the areas best wide area repeater -- 146.76 MHz -pl 100. Setup starts 6 a.m. General Admission 8 a.m. We are encouraging vendors to stay until 2 p.m. On site V.E. testing, Food and Refreshments. Advance purchase swap tables for sellers: \$10.00 or \$12.00 at the door if

available. Individual admission and one raffle ticket: \$5.00 advance or \$5.50 at the door. Web site with map & download flyers: www.w9zl.org. Email: n9riz@tponet.com. Phone: 920-991-2599.

January 8, 2005, Waukesha, WI
33rd Annual Midwinter Swapfest, sponsored by the West Allis RAC. Waukesha County Expo Center Forum, Waukesha, WI. For information contact: www.warac.org, WARAC Swapfest, PO Box 1072, Milwaukee, WI 53201, or Phil, W9NAW, (414) 425-3649 GPS coordinates: Latitude 43.03227, Longitude - 88.23948

January 23, 2005, Wheaton Hamfest. Pheasant Run Mega Center, 4051 E Main St., St. Charles, IL 60174. Contact www.wheatonhamfest.org

March 20, 2005, Jefferson, WI
Tri-County Amateur Radio Club, Jefferson County Fairgrounds, Activity Center, Hwy 18 West, Jefferson, WI. For information contact: TCARC, 213 Frederick St., Fort Atkinson, WI 53538, www.cmdline.com/tcarc/, jsatt@ticon.net or (920) 563-6381 (evenings), (200 563-9551 (fax). <http://www.cmdline.com/tcarc>

April 16, 2005, The NS9RC (formerly known as LAMARSfest) Hamfest, Lake County Fairgrounds, Grayslake, IL. For more information contact: 847-291-6865 or www.ns9rc.org

April 17, 2005, Madison Area Repeater

Association Swapfest, Stoughton, WI. [Mandt Community Center](http://www.mandtcommunitycenter.org)
400 Mandt Parkway, Stoughton, WI. Inquiries can be directed to: Mr. Paul R. Toussaint, N9VWH, MARA President at: w9hsy@hotmail.com Tele:608.245.8890

May 07, 2005, Cedarburg, WI. 26th Annual Amateur Radio and Computer Swapfest, Ozaukee Radio Club (ORC). Circle B Recreation Center, intersection of State Highway 60 and Ozaukee County Highway I. Info: Gene Szudrowitz, (262) 377-3792 between 6:00 and 8:00 pm or <http://www.ozaukeeradioclub.org/>

July 9, 2005, South Milwaukee ARC Swapfest, American Legion Post 434, 9327 South Shepard Ave., Oak Creek, WI. e-mail rvatex@aol.com. Phone (414) 762-3235.

August 13, 2005 Circus City Swapfest, Sauk County Fairgrounds, Baraboo, WI. Steve Schultze, W9UDO, (608) 356-2313 or Bill Klinkner, N9KXX, (608) 643-6908/643-6453 <http://www.qsl.net/ytarc/hamfest.htm>

Further information about hamfests in the area can be found at [bsss.org](http://www.bsss.org) or at <http://www.arrl.org/hamfests.html>

If your organization is sponsoring a Hamfest/Swapfest and would like us to list your event, please send the information to Ken Ebnetter, K9EN at the address below or to k9en@arrrl.net

CLUB MEETINGS

Appleton
FOX CITIES AMATEUR RADIO CLUB Meetings: Third Mondays, 7 p.m., Columbus Club, 2531 N. Richmond Street, Appleton, WI Information: Pat, K9IK, 920.725.1149. PLa-tour428@aol.com Web: <http://www.w9zlampr.org/>

Baraboo
BADGERLAND AMATEUR TELEVISION SOCIETY (BATS) Check BATS Web page: <http://www.shopstop.net/BATS/>

Baraboo
YELLOW THUNDER AMATEUR RADIO CLUB Meetings: See the YTARC column elsewhere in this issue for meeting times and locations. For further information: <http://www.qsl.net/ytarc>.

Dubuque, IA
GREAT RIVER AMATEUR RADIO CLUB Meetings: First Monday of each month, 7 p.m. at the Red Cross Center, 2400 Asbury Road. The club serves the tri-state area. On the Web: <http://www.qsl.net/wb0lob/>. Information or questions to: N0hdc@aol.com.

Eau Claire
EAU CLAIRE AMATEUR RADIO CLUB Meetings: 2nd Tuesday - 7 p.m., Eau Claire Parks & Recreation, 1300 First Ave., Eau Claire, WI 54703. All hams and guests welcome. W9EAU repeater 146.91 MHz, tone 110.9 Hz. Information: Jim Staatz, KG9RA, President, P.O. Box 1867, Eau Claire, WI 54702-1867. Phone (715) 838-9108, Email kg9ra@ecarc.org. Web page: <http://www.ecarc.org>

Fond du Lac
FOND DU LAC AMATEUR RADIO CLUB Meetings: Second Monday at Moraine Park Technical College, Fond du Lac, WI. Time: 7 p.m. Sunday net: 7:30 p.m. CDT, K9IA repeater, 145.430 - PL 107.2 Information: Jack Heil, KG9IN, 920.922.1413. Email: kg9in@fdlhams.org Web: <http://www.fdlhams.org>.

Fort Atkinson
TRI-COUNTY AMATEUR RADIO CLUB second Thursday monthly except June to Au-

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN/PUBLISHER: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560. e-mail to: kenneth.ebnetter@verizon.net

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EDITORIAL BOARD: Ken Ebnetter, K9EN; Don Evenson, K9JYX.

Subscription Rate

1 year (6 issues—bi-monthly)\$13.95

A subscription form is in this issue. Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month before the issue date. For example, the closing date for the May issue is April 1. The only exception is for participating clubs' minutes. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections, and exchange papers should be sent to Ken Ebnetter. Editorial material, photographs, and feature articles should be sent to Ken Ebnetter, K9EN. Web page material should be sent to n9qa@arrrl.net (Dave Knaus, N9QA). Inquiries about advertising should be directed to Ken Ebnetter. Club, swapfest, and Test Point information should be sent to Ken Ebnetter. Swapfest ADS should be sent to Ken Ebnetter, K9EN no later than eight weeks before the

events date.

Subscriptions should be sent, with check or money order, to Ken Ebnetter.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

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Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

(Continued from page 2)

gust, 7 p.m., at Dwight Foster Public Library in Fort Atkinson. ARES Net each Wednesday evening at 8 and club net Monday evenings at 8 on 145.49 repeater. Contact: Glenn Eisenbrandt, WA9VYL, 920.563.6502, or John Satterlee, WA9SAB, 920.563.6381.

Grafton
Ozaukee Radio Club (ORC) Second Wednesday of each month at 7:30 p.m. Grafton Multipurpose Senior Center, 1665 7th. Ave., Grafton, Wisconsin www.qsl.net/orc/.

Green Bay
GREEN BAY MIKE AND KEY CLUB Meetings: Second Thursdays, 7:30 p.m., Media Services area of J. M. Science Building at St. Norbert College in DePere. Information: Kevin at kb9sne@yahoo.com.

Green Lake
GREEN FOX AMATEUR RADIO CLUB Greater Green Lake County area. Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

Hudson
St. CROIX VALLEY RADIO AMATEURS Meetings: Third Tuesdays, St. Croix County Emergency Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program. Talkin: 145.13 MHz. All are welcome!

Juneau
ROCK RIVER RADIO CLUB Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI. ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7277 KHz, 10:30 a.m.

Madison
SPACE PLACE AMATEUR RADIO CENTER No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW. Information: Don Michalski, W9IXG, President, (608) 263-4685. Email: n9uw@sal.wisc.edu.

Madison
BADGER AMATEUR RADIO SOCIETY University of Wisconsin - Madison/W9YT Meetings: Third Mondays at 7:00 p.m. in UW Union South. Room number posted on the Today in The Union board. Information: Don Michalski, W9IXG, (608) 263-4685. Email: w9ixg@arrl.org. Web: <http://www.qsl.net/w9yt>.

Madison
Madison DX Club, meetings are on every fourth Tuesday of each month; see <http://madisondxclub> for more details.

Madison
FOUR LAKES AMATEUR RADIO CLUB Meetings: Third Tuesdays, 7:30 p.m., Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs. First building west of Hill Farms State Office Building.

Manitowoc
MANITOWOC COUNTY RADIO AMATEURS (ManCoRad) Second Wednesday of

each month. Club board meets at 6:30 p.m., and Regular meeting is at 7:30 p.m., at 1105 Fleetwood Drive, 2nd floor (Old County Shop building on northwest side of city.) For Additional information please see our club web-site www.qsl.net/w9dk or contact Fred Neuenfeldt, W6BSF, (920) 682-9312. Email: w6bsf@arrl.net.

Marinette WI
Menominee MI
Amateur Radio Club Meetings held second Thursday 7:00PM each month BAMC Tenth Avenue Menominee Michigan in the basement. Guests welcome e-mail secretary kg9ad@arrl.net

Medford
Black River Amateur Radio Association Meetings: Normally the first Thursday of each month. Usual meeting time is 7 PM. Most meetings are held at the Taylor County Courthouse. Directions: Those attending should park in the main courthouse parking lot on the east side of the building, and enter using the main courthouse entrance or the sheriff's dept. entrance. Proceed to the lower level of the courthouse using the stairs or elevator. We meet in the "break room" on the lower level, near the Emergency Government office. Talk-in on the 147.15 repeater (114.8 Hz PL, +600 kHz offset) and 146.52 MHz simplex. Contact: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405. Phone: (715) 223-3996.

Menomonee Falls
FALLS AMATEUR RADIO CLUB, INC. Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

Menomonie WI
Saturday coffee at Burger King, 544 Main Street, at 9 a.m. Social hour on 4th Tuesdays at 7:00 p.m. at the Depot, 2616 Hills Court, north of Walmart on highway 25 North, in January, March, April, and September through November. Guests welcome!

Milwaukee
GREATER MILWAUKEE DX ASSOCIATION Meetings: Fourth Monday of month, 7:30 p.m. Contact any GMDXA member, or Gary Schwartz, K9GS, (262) 363-4439. Email: garyk9gs@arrl.net.

Milwaukee
MILWAUKEE RADIO AMATEURS CLUB Meetings: Last Thursdays, 7:00 p.m. Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI. Mailing address: P.O. Box 070695, Milwaukee, WI 53207. Web: <http://www.qsl.net/mrac> . Email: w9rh@arrl.net.

Monomonie
RED CEDAR REPEATER ASSOCIATION, INC. Saturday coffee at Hardee's in North Monomonie, corner of Highways 12 and 25 at 9 a.m. Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart Shopping Center in January, March, April, and September through November. Guests welcome!

Northeast Area
NORTHEAST WISCONSIN DX ASSOCIA-

TION Meetings quarterly: April 28, Marinette; August 25, Fox Valley; November 10, Green Bay. For specific information about meetings, check <http://home.new.rr.com/newdx/>. Contact us at w9dx@arrl.net.

Oak Creek
SOUTH MILWAUKEE AMATEUR RADIO CLUB Meetings: First Wednesdays, Legion Post #434, Shepard Ave., Oak Creek, WI. In March and October the meetings are turned into Auction Nights. Swapfest July 6, 2002. The club WEB site is [ww.qsl.net/wa9txe](http://www.qsl.net/wa9txe)

Onalaska
RIVERLAND AMATEUR RADIO CLUB Meetings: First Tuesdays, 7 p.m., Onalaska Community Center. More information: <http://www.qsl.net/wr9arc/> . Email: wr9arc@qsl.net.

QCWA Chapter 162
QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Southeastern Wisconsin Chapter 162. Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI. Social events: Third Sundays in February, April, June, August, and October. Christmas party: Usually second or third Sunday in December.

QCWA Chapter 55
QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Wisconsin Chapter 55 meets the first Saturday of June and October. For information about Chapter 55, contact Ron Yokes, W9BCK, Secretary, 612 N. Pt Washington Road, Grafton, WI 53024-9703. (262) 375-1774. <mailto:rryokes@execpc.com>.

Racine
LAKESHORE REPEATER ASSOCIATION Meetings: Last Tuesday, January, April, July, October. American Red Cross Building, 4521 Taylor Ave., Racine, WI.

Racine
RACINE MEGACYCLE CLUB Meetings: Second Mondays, 7:30 p.m., American Red Cross Building, 4521 Taylor Ave., Racine, WI.

Rhineland
NORTHWOODS AMATEUR RADIO CLUB Meetings: Third Tuesday of Sept., Nov., Dec., Feb., and April for dinner business meetings at Ella's Restaurant, Jct. of Hwy. 51 and 70, north side of Woodruff, WI. Talkin on Sayner or Tomahawk repeaters. The Northwoods ARC News is on the club web site. <http://www.freeyellow.com/members7/nwarc>.

Sheboygan
SHEBOYGAN COUNTY AMATEUR RADIO CLUB Meetings: Second Tuesdays. 7 p.m., Sheboygan County Red Cross/Boy Scout Building, 2032 Erie Avenue.

Shell Lake
Northland ARC meetings are held the first Saturday of each month after breakfast. Location: Schmitz's Economart Deli. Located on US Hwy.63 on the south end of Spooner. The meeting will start at approx. 8:00 AM. Breakfast usually starts by 7:30 AM. Come and see what we're about. Anyone, even if you're licensed or

not and has an interest in ham radio is welcome to attend! Next Meeting: Sept 4th, 2004 at 8:00 AM. So Please plan to attend!!!! <http://home.centurytel.net/NorthlandARC/>.

Stevens Point
CWRA Ltd./UWSP ARC Meetings second Wednesday. of each month at 7:30 pm. Science Building on the UW-Stevens Point Campus, Room A107, Stevens Point, WI. Email: jglas776@uwsp.edu. Webpage: www.qsl.net/wb9qfw.

Superior
ARROWHEAD AMATEUR RADIO CLUB, INC. Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI. Time: 7:30 p.m. Board meetings held before regular meetings.

W.A.R. WISCONSIN ASSOCIATION OF REPEATERS
Quarterly meetings of the Wisconsin Association of Repeaters are held at various locations around the State on the second Saturdays of March, June, September and December. Check the WAR web page for meeting announcements and repeater coordination info. Information: <http://www.wi-repeaters.org>.

Watertown
WATERTOWN AMATEUR RADIO CLUB Meetings: First Thursdays of month, 7 p.m., Watertown Public Library, 100 South Water Street.

Waupaca
WAUPACA AMATEUR RADIO CLUB CQ First Tue. Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted. CQ Third Fri. Social gathering and Dutch treat dinner. Semi-formal, OM and XYL, at one of the better supper clubs in the area. Check: Waupaca 147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.

Wausau
WISCONSIN VALLEY RADIO ASSOCIATION Meetings: First Tuesdays, 7:30 p.m. Location varies. Information: 146.64 (-600). <http://home.dwave.net/~wvra/>.

West Allis
West Allis Radio Amateur Club Second Tuesday of each month at 7:30 p.m. St. Peter's Episcopal Church, 80th and Lincoln Ave., West Allis. Meetings in basement. Entrance at rear, off alley. Handicapped accessible. www.warac.org.

West Bend
WASHINGTON COUNTY AMATEUR RADIO CLUB Meetings: Second Thursdays, 7:30 p.m., Washington County Courthouse. Net: Thursdays, 7:30 p.m., 146.73 (-600).

Wisconsin Rapids
WISCONSIN RAPIDS AMATEUR RADIO CLUB Meetings: Third Wednesdays, 7 p.m., Room 14 of Wood County Courthouse. Talkin: 146.79 (-600) for entry into the building.

Wisconsin Nets Association Ltd.

Dean R. Herriges, KB9ROB, Secretary
W370 S9590 Highway 67 • Eagle, WI 53119

WISCONSIN NETS

Net	WNA	Freq.	UTC	LOCAL	Manager
BWN	YES	3985	1100	0600	W9RCW
BEN	YES	3985	1700	1200	KE9VU
WSBN	YES	3985	2215	1715	N9ZET
WNN	YES	3723	2300	1800	KB9ROB
WSSN	YES	3645	2330	1830	WA9ZTY
WIN/E	YES	3662	0000	1900	WB9ICH
WIN/L	YES	3662	0300	2200	W9UW
RCRA	NO	01/61	0030	1930	KA9OMC
(Mondays CDT— Menomonie Area)					
Green Bay Area	NO	72/12	0245	2145	WB9NRK
ARES	NO	4.65/5.25	0200	2100	
(South East/South Central Wisconsin)					

STM REPORT JULY 2004

FAQ #30 - What is the Secret of the Wisconsin Section Nets? The trick, of course, is in the participation. We have a good system of section nets with skilled net control stations and dedicated net managers to keep things going. We have stations who regularly check in and handle traffic for their respective areas. We have a good protocol for net operation and good net discipline. And, because we share in the process and success, we have an excellent camaraderie among operators. It works, because we do. It doesn't have to be a secret. Spread the word.

FAQ #31 - What's the most obvious need to improve our section

nets? In a word, liaison. We need many more volunteers to take traffic between nets -- from Late WIN to the BWN, from the BEN to D9RN, from the WSBN to WIN and 9RN, to and from local nets. Each time a piece of traffic is handled, it provides practice and tests the system.

Recently, I attempted to originate a message going to a ham in Chicago congratulating him on his marriage. After four days of trying to find a station representing Illinois station on either the daytime or night sessions of the Ninth Region net, I finally passed the traffic to W9CBE who would keep trying. Maybe the lucky couple would get it in time for their one-year anniversary. Apparently, generic book messages have dissuaded some operators to quit traffic handling

completely, so Illinois is less often represented in the National Traffic System. That is sad. We fear that the same thing could happen here and elsewhere, thus making the NTS quite ineffective at a time when the need for efficient traffic handling is gaining plenty of attention.

Even when WINLINK2000 is established as part of the NTS and can provide seamless integration with the Internet to help the agencies we serve, it won't happen without volunteer operators. If you've never volunteered to serve as a liaison station to another net, please give it a try - at least to know that you can do it if called upon. And tell your friends in Illinois. 73 - K9LGU / STM-WI

STM Report AUGUST 2004

FAQ #32 Is the system working? Our section nets meet on schedule. The Badger Weather Net starts the day early on 3985 KHz and handles lots of traffic. The BEN meets at noon, distributes traffic from Late WIN and other sources, and sends traffic off to the Daytime Ninth Region Net. When the WSBN meets at 5:30, a rep from D9RN can bring traffic for passing and out-of-state traffic

will be sent to the Wisconsin Intrastate Net for relay to the evening sessions of 9RN. The Novice net and Wisconsin Slow Speed Net offer training grounds for CW traffic handling and do their share of routing traffic, too. In addition, NTSD, local nets, severe weather nets, ARES/RACES nets, and others meet as needed and can handle traffic of various forms. We know that the nets flow quite well, but, to fully answer FAQ #32, we need to test the system, the operators, the net con-

trols, liaison stations, equipment, and every part of each net. The Simulated Emergency Test scheduled for October 16 will try to do just that. Details can be found at <http://www.wi-aresraces.org/> or from our SEC, KB9ENO. Please plan now to get involved. Practice serving as NCS or liaison. Compose a message in proper form and send it on one of the nets. Check with your EC. Handle some traffic. Let's give the system a real test. 73 - K9LGU / STM-WI

WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY, JULY 2004

NET	QNI	QTC	QTR	SSNS	NM
BWN	1428	1844	3172	31	W9IXG
BEN	435	72	832	31	KE9VU
WSBN	671	80	905	31	K9FHI
WNN	175	11	270	25	KB9ROB
WSSN	135	22	257	24	WA9ZTY
WIN/E	213	25	310	31	WB9ICH
WIN/L	211	53	351	31	W9UW
WRACES	99	1	107	3	KB9ENO
Totals	3367	2108	6204	207	
MIDWEST CLASSIC RADIO NET -AM ONLY- QNI 139 INFO EXCHG 39/39 QTR 409 MIN 5 SSNS -WA9ZTY					

WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY AUGUST 2004

NET	QNI	QTC	QTR	SSNS	NM
BWN	1524	1901	3288	31	W9IXG
BEN	492	67	845	31	KE9VU
WSBN	652	61	888	31	K9FHI
WNN	117	11	275	25	KB9ROB
WSSN	132	15	258	24	WA9ZTY
WIN/E	207	58	308	31	WB9ICH
WIN/L	172	43	331	31	W9UW
WRACES	0	0	0	0	KB9ENO
totals	3296	2156	6193	204	

Midwest Classic Radio Net QNI 139, info 46/44, QTR 296, 4 Sessions - AM only

WISCONSIN SECTION P S H R SUMMARY, July 2004

CALL	1	2	3	4	5	6	T
K9JPS	34	40	10	135	0	0	219
WA9ZTY	40	40	30	20	60	0	190
KA9RZL	25	20	30	95	0	0	170
KA9OIL- JUN							
	4	0	0	140	5	0	154
K9FHI	40	40	30	0	0	20	130
K9LGU	40	40	30	20	0	0	130
AG9G	40	40	20	20	0	0	120
KB9KEG	40	40	20	0	0	10	110
W9BHL	40	40	30	0	0	0	110
W9CBE	40	40	20	0	0	0	100
WB9USI- JUN							
	1	0	0	80	0	0	81
W9RSX	40	13	10	0	0	0	63

WISCONSIN SECTION P S H R SUMMARY, AUGUST 2004

CALL	1	2	3	4	5	6	T
N9VE	22	40	30	125	0	0	237
WA9ZTY	40	40	30	10	70	0	190
K9JPS	32	40	10	100	0	0	182
K9LGU	40	40	30	40	25	0	175
K9FHI	40	40	30	5	0	10	125
AG9G	40	40	20	20	0	0	120
KA9RZL	40	14	30	30	0	0	116
KB9KEG	40	40	20	0	0	10	110
W9BHL	40	40	30	0	0	0	110
W9CBE	40	40	20	0	0	0	100
W9RCW	31	33	30	0	0	0	94
WB9USI-JULY							
	3	1	0	80	5	0	89
W9RSX	0	12	10	0	0	0	62

WISCONSIN SECTION STATION ACTIVITY SUMMARY, JULY 2004

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	634	32	606	1272 - BPL
W9IHW	0	138	160	127	429- BPL*
W9CBE	0	131	144	3	278
W9BHL	0	47	73	0	120
K9LGU	5	62	44	2	113
AG9G	0	24	72	0	96

(Continued on page 8)

Check us out on the web at
[Http://www.bsss.org](http://www.bsss.org)

The Computer Corner

By Stan Kaplan, WB9RQR • 105 Martin Drive
Port Washington, WI 53074-9654
(262) 284-9346
Skaplan@mcw.edu



No. 118. Lets Take A Bus

Ed Rate, AA9W, always seems to come up with good suggestions for new articles. At one of the Ozaukee Radio Club Saturday morning breakfasts, Ed said that there was a lot of confusion about the processor's relationship to the front side bus, and, "What the heck is a front side bus, anyway?" So, here we go.

First, lets start with a more fundamental issue. What is a bus? The dictionary says it is a group of connectors serving as a common connection for three or more circuits, and when it is in the form of a metallic bar, it is called a bus bar. We don't have any big metallic bars in a computer, but if you look closely at the top of a motherboard, you can see hundreds of thin metallic traces that show under the protective insulation coating. There are even traces on the bottom of the motherboard, and there are yet more sandwiched in between the top and bottom surface, hidden from your view (a total of five, or even seven layers). Essentially all of these traces, visible and hidden, are part of one bus or another. There are actually many busses in a computer. So a computer bus is just a collection of wires. In a modern computer, there is a Processor Bus, a PCI Bus, an AGP Bus and an ISA Bus lumped together as System Busses. Again, each of these are just bundles of wires, linking one component or group of components with others.

The Processor Bus is also known as the Front Side Bus (FSB). It is a bundle of wires carrying information between the CPU (Central Processing Unit -- the 2 GHz chip or whatever speed you paid for) and the Memory Controller Chip on the motherboard. That Memory Controller Chip or Northbridge Chip then sends the information to memory on another bus -- the Memory Bus.

The FSB is the speediest bus on the motherboard, running at from 66 MHz to 800 MHz, depending upon what model of motherboard you have. Realize then, that even though you may have a Pentium IV 3.6 GHz CPU in your system, it is communicating with

the outside world at only 800 MHz, the fastest speed that a current standard production motherboard can do! Right away, you can see that when buying a computer, the speed of the CPU is only one factor in getting a good system. You also need to know the speed of the FSB. An even more meaningful number for comparison purposes is the bandwidth a bus can carry, calculated by multiplying the frequency of the bus times 8 (8 bytes, or 64 bits). Thus, an 800 MHz FSB has a bandwidth of 8 X 800 = 6,400 MBps (million bytes per second). Even though the FSB is the fastest bus on the motherboard, it is pretty slow (about 20%) when compared to the speed of the CPU itself! Our 3.6 GHz CPU runs inside (has an internal bandwidth) of 8 X 3600, or 28,800 MBps.

While we are at it, lets consider some other parts of the System Bus. Lets assume you have the latest and greatest mentioned above -- a Pentium IV 3.6 GHz CPU running on a motherboard with an 800 MHz Front Side Bus. Although most motherboards today have video built in, some gamers like to add a souped-up video card, plugged into the AGP (Advanced Graphics Port) socket. The AGP bus in this machine has a bandwidth of 2,133 MBps, about a third of the Front Side Bus. If you add any kind of card to your system other than the AGP video card, it is likely to be a PCI card. A typical PCI Bus runs at only 33 MHz and transfers 32 bits at a time rather than 64. Therefore its bandwidth is only 133 MBps, a very small percentage of the bandwidth of the FSB.

Lets suppose you have a motherboard with some of the older ISA bus slots, and you have an old 16-bit sound card plugged into it. The theoretical maximum speed of the ISA bus is only about 8 MBps, and if it is a really old 8-bit card, the bandwidth would be about half that! This is a far cry from the 64,000 MBps of our Front Side Bus. Keep in mind, too, that even at 8 MBps, the old ISA bus is still faster than most peripherals, such as floppy drive controllers, parallel and serial ports. For example, a good quality parallel

(Continued on page 9)

Check us out on the web at
Http://www.bs...ss.org

WISCONSIN SECTION MANAGER REPORT

JULY 2004

WISCONSIN: SM: Don Michalski, W9IXG, SEC: KB9ENO, STM: K9LGU, ACC: K9XB, SGL: W9DGI, OOC: N9VE, PIC: KB9NUM. TC: K9GDF, BM: WB9NRK ASM: K9UTQ, W9RCW, W9CBE, W9DGI.

** There will be a special event on August 28. W4S (Walk 4 Sarcoma). Rich Nesbitt, N9MO, is walking from Wausau to Marshfield to raise awareness for Sarcoma- a cancer that afflicts the soft tissues and supporting structures. The station will be mobile following Rich on his trek. Here are more details: Wausau, WI: WVRA, MAARS, RMRA, W4S. 0900Z Aug 28-0600Z Aug 29. Walk for Sarcoma from Marsfield, WI, to Wausau, WI. 21.360 18.150 14.260 7.260. QSL. Gerald Graebel, 624 E Bridge St, Wausau, WI 54403. We hope you try and make contact with the station to give Rich some support. Good luck Rich!

** We welcome back Patrick, W9UQ, as president of the Milwaukee Radio Amateurs' Club!

** From our STM, K9LGU: FAQ #30 - What is the Secret of the Wisconsin Section Nets? Participation. We have a good system with skilled net control stations and dedicated net managers. We have stations who regularly check in and handle traffic for their respective areas. We have a good protocol for net operation and good net discipline. And, because we share in the process and success, we have an excellent camaraderie among operators. It doesn't have to be a secret. Spread the word. FAQ #31 - What's the most obvious need to improve our section nets? In a word, liaison. We need many more volunteers to take traffic between nets -- from Late WIN to the BWN, from the BEN to D9RN, from the WBSN to WIN and 9RN, to and from local nets. Each time a piece of traffic is handled, it provides practice and tests the system. Even when WINLINK2000 is established as part of the NTS and can provide seamless integration with the Internet to help the agencies we serve, it won't happen without volunteer operators. If you've never volunteered to serve as a liaison station to another net, please give it a try - at least to know that you can do it if called upon. 73 - K9LGU / STM-WI

** If you have a regular HF/VHF/UHF net, I invite you to post it on the Wisconsin Net List. You can find this listing on the ARRL Wisconsin website: <http://www.arrl.org/sections/?sect=WI> under "Traffic Handling". I, also, invite the managers for the nets already on this list to review the posted information to be sure it is current. If there is a need for any additions or changes, please contact Denny, K9LGU, k9lgu@arrl.net.

** Remember that the ARRL Wisconsin website is available to you for posting classes and other information that is of general interest to Wisconsin Amateurs! Just drop me a line and I'd be happy to post it on the site. There is a ton of good technical reference material there, also. The Wisconsin Technical Specialists are willing to assist you with solutions to technical problems or with advice on projects. Their areas of expertise and contact information are listed. Please check this website often and take advantage of these ARRL services!! We are all here to help you enjoy your hobby!! 73, Don,

W9IXG 608-274-1886 w9ixg@arrl.org

ARRL Wisconsin Section
Section Manager: Donald E. Michalski, W9IXG
w9ixg@arrl.org

AUGUST 2004

WISCONSIN: SM: Don Michalski, W9IXG. BWN 3985 0500-0715 W9IXG. BEN 3985 1200 KE9VU. WBSN 3985 1730-1800 K9FHI. WNN 3723 1800 KB9ROB. WSSN 3645 1830 WA9ZTY. WIN-E 3662 1900 WB9ICH. WIN-L 3662 2200 W9UW. (All times are Central)

** With regret, I inform you of the passing of Paul Davig, WB9UKU, 68. Paul was active in ARES and public service events. Ed Stobbs, KC9EFR, 83 is a Silent Key. Ed was a member of the Lakes Area Amateur Radio Club and ARES.

** The Walk for Sarcoma Fund Raiser Event on August 28 used APRS - (automatic position reporting system) to monitor the progress of Rich Nesbitt, N9MO, and his relay team. It took the relay team 15 hr 30 min to walk the 45 miles from Marshfield to Wausau, WI. While they were walking a group of volunteers were manning the W4S - Walk for Sarcoma Special Event Station in Wausau, making contacts with other amateur radio enthusiasts across the county and into Europe. They achieved 96 contacts on the air yesterday. Rich was interviewed on the walk by the Marshfield News Herald and videotaped for the 10:00pm news on Channel 9. A special thanks to the Marshfield Area Amateur Radio Society, Wisconsin Valley Radio Association, and the Rib Mountain Repeater Association. Rich says: "The fact that all three groups are joining together to help me in this effort is very appreciated." We congratulate Rich and the team for this achievement!

** STM Report from Denny, K9LGU: FAQ #32 Is the system working? Our section nets meet on schedule. The Badger Weather Net starts the day early on 3985 KHz and handles lots of traffic. The BEN meets at noon, distributes traffic from Late WIN and other sources, and sends traffic off to the Daytime Ninth Region Net. When the WBSN meets at 5:30, a rep from D9RN can bring traffic for passing and out-of-state traffic will be sent to the Wisconsin Intrastate Net for relay to the evening sessions of 9RN. The Novice net and Wisconsin Slow Speed Net offer training grounds for CW traffic handling and do their share of routing traffic, too. In addition, NTSD, local nets, severe weather nets, ARES/RACES nets, and others meet as needed and can handle traffic of various forms. We know that the nets flow quite well, but, to fully answer FAQ #32, we need to test the system, the operators, the net controls, liaison stations, equipment, and every part of each net. >>>> The Simulated Emergency Test scheduled for October 16 will try to do just that. Details can be found at <http://www.wi-aresraces.org/> or from our SEC, KB9ENO. Please plan now to get involved. Practice serving as NCS or liaison. Compose a message in proper form and send it on one of the nets. Check with your EC. Handle some traffic. Let's give the system a real test.

(Continued on page 8)

Mancorad Radio Club

Theresa Hartlaub, KB9KXE
Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



2-Meter Repeater: 146.01 Input/146.61

Pres. Fred (W6BSF) called the meeting to order at 7:35pm at the club shack. Meeting minutes from July were approved by motion from John (NZ9Z) and seconded by Gene (KB9KXF). The treas. report was given by Treas. Dick (N9QFY) and approved by motion and second from Chris 9KB9VLS and Don (KB9NTL).

Everyone is reminded of the upcoming Rawley Point Lighthouse Activation to be held 8/21-22. We will be setting up on the Coast Guard grounds with a tent and Clancy's trailer. Two stations will be manned. Anyone interested in working for this contact Fred or Dennis N. Set up at 8:00 on Sat. Check in at the rangers station is required when coming in.

The club's family picnic is fast approaching on Aug. 28th at Neshotah Park at the beachhouse shelter. Lunch will start at 11:00. Please bring a dish to pass along with your favorite drinks. T hunts with prizes will be held after the meal. This is always a fun event for the whole family. Please contact Theresa (KB9KXE) or Dan (N9FVZ) so they can plan for the meat.

On 9/25 the club will hold its only brat fry for the year. To be held at Robb's Market in Manitowoc. Setting up around 8-9:00 Sat. morning. Everyone is encouraged to help. Please contact Dick (N9AFY) or Theresa (KB9KXE) if you can help for a few hours.

Club elections are coming up in October. Consider running for a office. All offices are up for election.

John (NZ9Z) proposed making up an emergency kit containing different adaptors, soldering gun, connectors, jumpers, volt meter etc. A tackle box would be used to keep all neat and organized. A motion was so made by Travis (KB9YRC) and seconded by Chris (KB9VLS) to spend \$75.00 on this. Fred and John would make the trip to Tower Electronics in Green Bay.

Carl (KA9WYK) reported the Library Book Committee is waiting for a quote from ARRL on the cost for the books we propose to put in the libraries in the county. Plan on having the books at the schools after Sept.

Dick and John are working on a plaque honoring all "silent keys" from the club. Dick is also working on a plaque for the "Ham of the Year" award. Each year the new honoree's name would be added. Both plaques would be hung at the shack.

A huge thank you to all who helped with the Leukemia Run weekend. There were over 700 riders. They were very appreciative of our help once again.

Lyle Heide has some ham equipment he would like to raffle off with all proceeds going to the club. Some items are brand new. More to

come on this next month.

A date for club shack clean up is coming. Also on that day work on the beams would be done. It was suggested to have a fry out along with these projects. Date coming next month.

John brought in the new climbing harness the club bought. Club members will be able to check it out.

John proposed a new club dues schedule. By participation in different club events, members could reduce the cost of the dues. Hopefully member participation would be increased. Discussion on this will follow in the coming months.

Victor from Sri Lanka has asked for help in obtaining equipment for his club. The equip. has been found but what is needed is donations for the cost of shipping. John will check into the cost and possible ways of getting everything over to Sri Lanka.

Everyone was treated to a wonderful talk by Ken T (WB9OBX). He talked about his recent trip on a container ship to South America. Even though all did not go as planned, Ken enjoyed his experience. Anyone interested in doing such a trip can get more information at www.freighterworld.com <<http://www.freighterworld.com/>> . THANK YOU Ken!!!!

Attendance prize goes to 7.00. Bill (N9XEZ) was not in attendance. Next meeting on Sept. 8th at 7:30, with board meeting at 6:30 at the club shack.

Meeting adjourned 8:58 pm. Lunch served.

Respectively submitted
Theresa Hartlaub KB9KXE, Secretary

Meeting Attendance:

Theresa KB9KXE
John NZ9Z
Gene KB9KXF
Ken WB9OBX
oger W9NPX
Denise N4WGK
Mary KB9GOY
Chris KB9VLS
Don KB9NTL
Carl KA9WYK
Gene WB9DQD
Bill K9DUX
Steve KB9GPN
Winston KC9FVR
Dick N9QFY
Fred W6BSF

Wisconsin Valley Radio Association

Jerry Graebel - W9GLG
P.O. Box 363 • Wausau, WI

August, 2004 Meeting Minutes

Meeting was called to order at 7:02 p.m. by President Myron Oestreich, KB9STB.

In Attendance: K9VXX, KB9STB, KC9ASL, KC9EQS, KB9VBR, K9DB, N3FDE, WD9CPY, W9PBB, KB9DED, N9MO, WA9NBC, W9GLG, KA9PML

Treasurer's Report: Savings \$4320.35 and checking \$742.92. Motion: W9GLG, Second: N9MO. Motion carried.

Secretary's Report: Motion to approve as printed on www.wvraclub.org . Motion: N9MO Second: KC9EQS. Motion carried.

Old Business:

Newsletters: Copies available. Articles always welcome. Said KB9STB.

Fundraising and Grants: Gannett denied the grant as we are not affiliated with the United Way.

Nets: First YL net had one check-in. Option of using 3rd party was discussed for this net and approved. KC9EQS will take over 2nd Wednesdays for N9LIA.

Public Education: Dr. Peck has been contacted at Wausau East and a meeting has been arranged for the end of August for a discussion of the Big Project.

Children's Fest contacted re: participation in next year's event.

Ham Class- a Technician Level Class will be held once again on 10/09 and 10/10/04

for anyone interested in obtaining their license. As a side note, Myron announced that all instructors are certified now for Merit Badge Courses. Gary, WD9CPY will be one of the instructors.

JOTA-Will be on 10/16 & 10/17/04 for Merit Badge as well.

Field Day: KB9VBR, there was a scoring snafu. The N9SDL log was lost. The total score was 417 SSB, 67 CW, 1062 Contact points and 1500 Bonus points for a total of 2562. Next year will try W1AW, NTS, Satel-

lite QSO Bonus. Photo of Jerry's Kids sent to ARRL by KB9VBR.

New Business:

Raffle License: WVRA board has approved and applied for a raffle license which is \$25 per year. It is good for up to 1 year and/or 200 raffles.

N9MO/W4S Walk- Rich needed to talk to his physician one week prior for clearance to walk. If he is not cleared, we will need walkers to relay ASAP. Volunteers needed to walk with him or do the walk if he is not able to walk the whole thing. Rich will make contacts if unable to walk whole trek. KB9STB wrote letters to other 2 clubs for volunteer assistance. N9LO is making an umbrella antenna for the walk as well as a walking stick antenna. All volunteers asked to email W9GLG at ARRL. Talked to Rich KC9NW re: use of IRLP for walk as well.

Repeaters- 4" 120 volt AC fans needed for repeaters by Mark, N9MEA.

Golf Outing: KB9STB

All the help possible needed for the games on the holes, door prizes and raffle tickets. There will be a raffle of 200 tickets for \$50/ticket.

Recipe Cookbook: Accepting any recipes (originals only) through the end of September to be submitted to KC9DOS.

50/50 Raffle held. W9PBB won again and donated his \$8 in winnings back to the club's tower project for a total of \$16 raised in tonight's raffle.

There was a short breakout period for mentoring as well as a viewing of the photos taken by K9DB during a recent severe weather episode.

Motion to Adjourn: N9FDE. Second: N9MO. Meeting adjourned at 7:43 p.m.

Respectfully Submitted,
Trenia Oestreich, KC9ASL

2004 GROUND HOG PARTY

The Rock River Radio Club, the Watertown Amateur Radio Club and Bettie Norbury, K9GJC invite you to attend the traditional "Ground Hog Party" scheduled for Saturday, October 9th at the Watertown Moose Lodge. This event originated back in 1949 by SK Erv Buchart, W9QHR and was reactivated in 2002 by Bettie Norbury, K9GJC.

If you want to spend an enjoyable evening with your Ham friends, this is the event you should attend. The price is right, the meal is family style, the program is informal and entertaining. What more could you ask for? Plan now to attend and bring the XYL along, she will enjoy the unique party too.

The event will be held at the Watertown

Moose Lodge, 1212 Juneau Street, Watertown. Happy Hour and cash bar starts at 5:00 pm and dinner at 6:00 pm. The cost is \$12.50 per person. Please RSVP by October 2nd along with your check to Bettie Norbury, K9GJC, 515 Carl Schurz Drive, Watertown, WI 53098.

For further information, call her at 920-261-0637 or via e-mail, betim@core.com If Bettie is not available, try Duane, W9BCV, at 920-885-4501 or via e-mail at w9bcv@charter.net We understand the new Highway R exit off of Highway 26 to the Moose Lodge is currently under construction and there might be a detour. If you have trouble finding the place, call us on the Juneau repeater 146.640 for help.

The Test Point



Amateur Radio Examination Locations and Schedules in the Area

October 02, 2004	Madison, WI
October 02, 2004	Racine, WI
October 02, 2004	St. Paul, MN
October 07 2004	Apple Valley, MN
October 09, 2004	Blaine, MN
October 09, 2004	Oshkosh (Omro), WI
October 09, 2004	Eden Prairie, MN
October 16, 2004	Milwaukee, WI (BE)
October 16, 2004	Loves Park, IL
October 16, 2004	Cottage Grove, MN
October 23, 2004	Bloomington, MN
October 30, 2004	Milwaukee, WI (MRAC)
October 30, 2004	Tomahawk, WI
November 06, 2004	Menomonie, WI
November 06, 2004	Madison, WI
November 06,2004.	Racine, WI
November 06, 2004	St. Paul, MN
November 06, 2004	Menomonie, WI
November 11, 2004	Apple Valley, MN
November 13, 2004	Adams, WI
November 13, 2004	Onalaska, WI
November 13 2004	Blaine, MN
November 13, 2004	Oshkosh (Omro), WI
November 16, 2004	Eden Prairie, MN
November 20, 2004	Milwaukee, WI (BE)
November 20, 2004	Loves Park, IL
November 20, 2004	Cottage Grove, MN
November 27, 2004	Bloomington, MN
November 27, 2004.	Milwaukee, WI (MRAC)
November 27, 2004.	Tomahawk, WI
December 04, 2004	Madison, WI
December 04, 2004	Racine, WI
December 04, 2004	St. Paul, MN
December 09, 2004	Apple Valley, MN
December 11, 2004	Blaine, MN
December 11, 2004	Oshkosh (Omro), WI
December 18, 2004	Milwaukee, WI (BE)
December 18, 2004	Loves Park, IL
December 18, 2004	Cottage Grove, MN
December 21, 2004	Eden Prairie, MN
January 08, 2005	Blaine, MN
January 08, 2005	Oshkosh (Omro), WI
January 13, 2005	Apple Valley, MN
January 15. 2005	Milwaukee, WI (BE)
January 15, 2005	Loves Park, IL
January 15, 2005	Cottage Grove, MN
January 18, 2005	Eden Prairie, MN
January 22, 2005	Bloomington, MN
January 29, 2005	Milwaukee, WI (MRAC)
January 29, 2005	Tomahawk, WI
February 05, 2005	Racine, WI
February 05, 2005	St. Paul, MN
February 10, 2005	Apple Valley, MN
February 12, 2005	Blaine, MN
February 12, 2005	Oshkosh (Omro), WI
February 15, 2005	Eden Prairie, MN
February 19, 2005	Milwaukee, WI (BE)
February 19, 2005	Loves Park, IL
February 19, 2005	Cottage Grove, MN
February 26, 2005	Bloomington, MN
February 26, 2005	Milwaukee, WI (MRAC)
February 26, 2005	Tomahawk, WI
March 05, 2005	Racine, WI
March 05, 2005	St. Paul, MN
March 10, 2005	Apple Valley, MN
March 12, 2005	Blaine, MN

March 12, 2005	Oshkosh (Omro), WI
March 15, 2005	Eden Prairie, MN
March 19, 2005	Milwaukee, WI (BE)
March 19, 2005	Loves Park, IL
March 19, 2005	Cottage Grove, MN
March 26, 2005	Bloomington, MN
March 26, 2005	Tomahawk, WI
Monthly, 1st Sat.	Racine, WI
(except Jan., Jul., & Aug.)	
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Blaine, MN
Monthly, 2nd Sat.	Oshkosh (Omro), WI
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat.	Milwaukee, WI (BE)
(September through April)	
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat.	Milwaukee, WI (MRAC)
(except Mar., Jun., Aug., & Dec.)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	

Adams, WI
ARRL / VEC Amateur testing Saturday Aug. 14 and Nov. 13, 2004. Testing will begin at 1:00 PM at the Adams County Library 569 N. Cedar St. Adams, WI. The library is located 3 blocks west of Main St. (Hwy 13) behind the IGA store. For information contact Ed Wagner at ab9fn@arrl.net. Walk-ins are welcome.

Appleton, WI
Fox Cities ARC (ARRL/VEC) All regular test sessions are held at the American Red Cross Building in Appleton. Testing starting at 8 a.m. No walk-ins after 9 a.m. For information, contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (920) 730-0967. Email: w9mdp@arrl.net.

Eau Claire, WI

Eau Claire Amateur Radio Club.
South Middle School, North East side door 7, 2115 Mitscher Ave, Eau Claire, WI
Technician, General and Extra Class exams. Walkins welcome.
Examination session coordinator: Steve Bluem, KA9OMY, ka9omy@arrl.net. Telephone: 715-839-6509. www.ecarc.org. w9eau@ecarc.org.

Fond du Lac, WI
Fond du Lac ARC (ARRL/VEC). Community United Methodist Church, 701 Minnesota Ave., North Fond du Lac. 9:00 a.m. Walk-ins allowed. Contact: Douglas J. Schultz, 920-922-3088, schultz74@charter.net.

Madison, WI
First Saturday monthly: 8 a.m. to 10 a.m. Space Place, 1605 South Park Street, Madison. Please bring a picture ID, your original license, a copy of your license, and the original and a copy of any relevant CSCEs, and a check for \$12.00 made out to the ARRL/VEC. No appointments are necessary to take exams. Exams start promptly at 8 a.m. Questions may be directed to Tim Czerwotka, WO9U, at 608-239-3696 (home phone) or sent to wo9u@arrl.net.

Marshfield, WI (ARRL/VEC)
Sponsored by the Marshfield Area ARS. 6:00 p.m. (walk-in allowed). :pcatopm: St. Joseph’s Hospital, 611 St. Joseph Ave., Room 124, Hospice Self Bldg, Marshfield, WI. Contact: Lee A. Olson, (715) 389-888. e-mail: lolson@t2net.com.

Medford, WI (ARRL/VEC)
Sponsored by the Taylor County Area Amateur Radio Club (ARRL/VEC affiliated). Testing for all classes, Technician through Extra. Registration starts at 7:30 PM, testing

starts at 8:00 PM. Location: the conference room of the Medford Public Library, 400 N. Main St., Medford, WI. From the intersection of State Hwys. 13 and 64, proceed west on Hwy. 64 to Main St. Turn north on Main St. and take Main St. to the library. Talk-in on the 147.15(+600 kHz, 114.8 Hz PL) repeater. Walk-ins welcome, however, if you know you'll be attending, it would be appreciated if you call ahead. Contact: Tom Hrdina, N9GEN, 2373 Willow Ave., Medford, WI 54451, phone (715) 748-4054 or e-mail to mds54449@yahoo.com.

Menominee, MI
Marinette-Menominee Amateur Radio Club. Location: The cafeteria of Bay Area Med Center, US-41 in Menominee. Building located next to KFC just off the Interstate Bridge. All classes given. Advance notice preferred, but not required. Test fee is \$10 with two pieces of identification required. Contact Jeff Rymer, N9PQU at jrymer@ez-net.com or Ed Engleman, KG8CX, at dxer@cybrzn.com. We will monitor the 147.000 (107.2 pl) repeater in event further directions or info is needed.

November 16, 2004
Menomonie, WI
ARRL/VEC. Location: NEWUW-Stout Communications, Millennium Hall, Broadway & 10th Ave., Menomonie, WI. Contact: James P. Ley, 715-235-3998.

Milwaukee, WI
Badger Examiners (W5YI VEC) September thru April, every third Saturday morning, 9:30 a.m. to noon. Badger Examiners group tests at AES (Amateur Electronic Supply) at 60th and Good Hope, Milwaukee (use the entrance numbered 5730). Exams are

(Continued on page 10)

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WISCONSIN SECTION STATION ACTIVITY					
(Continued from page 4)					
W9SWL	0	24	47	8	79
WA9ZTY	0	26	50	2	78
W9UW	0	38	20	1	59
K9FHI	0	26	32	0	58
KE9VU	0	20	23	0	43
W9KKM	0	2	33	2	37
K9GU	0	0	32	0	32
WB9ICH	0	23	2	3	28
KB9ROB	0	20	3	2	25
N9NNN	0	0	22	0	22
WB9ICH -JUN	0	17	3	0	20
KA9RZL	2	7	8	3	20
W9RSX	0	1	12	0	13
KN9P	1	4	5	1	11
K9UTQ	0	3	4	3	10
W9PVD	0	0	1	0	1
WISCONSIN SECTION STATION ACTIVITY SUMMARY, AUGUST 2004					
STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	542	31	525	1184 - BPL
N9VE	0	161	15	156	332 - BPL*
W9IHW	0	130	32	125	287 - BPL*
W9CBE	0	73	120	4	197
K9LGU	0	69	45	1	115
WA9ZTY	0	30	54	6	90
AG9G	0	12	57	0	69
K9FHI	0	24	30	2	56
W9BHL	0	12	36	0	48
W9KKM	0	6	33	6	45
W9UW	0	25	17	0	42
W9SWL	0	3	32	3	38
KE9VU	0	23	15	0	38
K9GU	0	0	32	0	32
W9RCW	0	0	31	0	31
N9NNN	0	0	27	0	27
KB9ROB0	22	2	1	25	
WB9ICH	0	20	2	0	22
KA9RZL	0	8	4	2	14
KA9BHK	0	1	11	1	13
W9RSX	0	1	11	0	12
KN9P	0	6	6	0	12
K9UTQ	0	1	3	1	5
AA9BB	0	0	2	0	2
W9PVD	0	0	1	0	1

(Continued from page 5)

** On Saturday, September 11, 2004 , the Polk County Amateur Radio Club, using the club call KC9DMY, will set up at the "Wheels and Wings" celebration at the airport in Osceola, WI. Starting at approximately 8AM and ending about 2PM, they will operate on the 40M and 20M HF bands using either various digital modes or voice. HF communications will take place around the three satellite passes. We will have a portable satellite station in use. The local 2M repeater, 147.195+ (PL 110.9), will be demonstrated along with Twin Cities and other repeaters. Contact Chuck Braun for more information: wd9gwg@arrl.net

** The Wisconsin ARES/RACES net has moved to Sunday evening, 6 p.m. Central, on 3996 KHz primary, 3975 KHz secondary.

** Congratulations to Jim Humphrey, W9AVM, for earning the WAS award in the 90th anniversary in only 21 days! More can be found in the September QST issue.


** WVRA's 444.100 W9SM repeater will have a regular CW practice net. Contact Jerry Graebel, W9GLG, w9glg@arrl.net for details.

** A reminder to please keep me informed of any Silent Key notices. I will, also, need an official obituary to forward to ARRL for posting in QST. Thanks. 73, Don, W9IXG

ARRL Wisconsin Section
Section Manager: Donald E. Michalski, W9IXG
w9ixg@arrl.org

33rd ANNUAL MIDWINTER

SWAPFEST



WARAC
WEST ALLIS RADIO AMATEUR CLUB
Our 50th Year

Ham Radio, Computer, Electronics

SATURDAY - JANUARY 8, 2005

8:00 AM - 2:00 PM

WAUKESHA COUNTY EXPO CENTER FORUM
WAUKESHA, WISCONSIN

ADMISSION: \$5.00 Advance - \$5.00 at Door

RESERVED TABLES: \$15.00 per 8 foot table - \$15.00 at Door (if available)

ELECTRICAL OUTLET: \$17.00 (advance only)

AMATEUR EXAMS: (Location - AMF Waukesha Lanes, across from Expo)
Bring your original license with photocopy, CSCEs
with 2 photocopies and two IDs (one must be photo ID)

The WEST ALLIS RADIO AMATEUR CLUB

Sponsors of: Midwinter Swapfest - WI QSO Party - WARAC Memorial Scholarships - Worked All WI Counties Award

For more information please call Phil, W9NAW, 414.425.3649 or visit www.warac.org

Advance Registration Form

RESERVATION DEADLINE: Dec. 31, 2004
Early reservations suggested

Advance Tickets \$5.00 each

@ \$5.00 =

Table Reservations \$15.00 for each 8 feet
(table reservation does not include admission)

@ \$15.00 =

Electrical Outlet \$17.00 (Advance only)

@ \$17.00 =

Total Enclosed \$

Name: Call:

Street:


City: State: ZIP:

Phone:

Email (optional):

Mail with #10 business size S.A.S.E. to:
WARAC SWAPFEST
P. O. BOX 1072
MILWAUKEE, WI 53201

Location of Waukesha County Expo Center



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Ken Ebnetter, 822 Wauona Trail, Portage, WI 53901.
Please do NOT send cash.

The Computer Corner

(Continued from page 5)

port can only transfer data at about 2 MBps. Even the newest USB 2.0 port (480 MBps) is slow by comparison to the FSB (though this is plenty fast enough for the devices that are to be connected to it).

So, in summary, the Front Side Bus is the highway between the CPU and the Memory Controller Chip on the motherboard. If the CPU wants to send some data for storage in system memory, the FSB is the first road the data must take on its journey. Once it gets to the Memory Controller chip, that chip sends it on to RAM via a Memory Bus. There are lots of other busses in a computer. A highway (bunch of wires) must exist whenever data, timing signals or power are transferred from one place to another. OK, Ed? Happy computing!

No. 119. Alternatives

I am a believer in alternatives, especially in the computing world, and there are a number of them out there that many may not be aware of, so it is time to devote one column to them.

First, just about everyone is familiar with Adobe Acrobat Reader (the latest version being 6.0), which is a program that you can install to read documents with a .pdf (“portable document format”) extension. Adobe provides the reader as a free download (www.adobe.com/products/acrobat/readstep2.html). Many organizations make their documents available in the .pdf format (including most US Government agencies). Documents in this format are not easily modified from the original, and they represent closely the format and “feel” of the original. The Adobe program that creates .pdf files from, for example, Microsoft Word documents, is quite expensive –over \$200. What you may not know is that there are a number of free programs out there that will also create .pdf files. One free one can be found at <http://www.pdf995.com/>. A bit of advertising comes with it which shows each time it is used, but you can get a version without the advertising for \$19.95. There are other free programs out there, too, without any embedded advertising. Let your cursor do the walking through a Google search page.

Now, for a really big alternative. Linux. Linux is a free Windows alternative that you can simply download and install. Why Linux? It is much more stable than any Windows version, which is why the majority of large US firms will have Linux installed as their main operating system for servers AND workstations by 2007. There are stories of Linux-based servers being booted up and running for several years without crashing. That kind of stability is what business demands, and we home users should demand it, too. All current versions of Linux come with a Windows-like

Graphical User Interface, presenting a desktop that looks and works very much like a Windows desktop. You'll feel right at home when it first appears. Also, the latest Linux versions sport an impressive database of hardware drivers, so you should have little trouble getting your CD or DVD or soundcard or video card or whatever, to work when you install the operating system. The two versions I will mention also support a dual-boot (and make installation a snap), so you can keep your Windows and choose which operating system you want to use at boot time.

I am familiar with two companies that bundle the Linux operating system and installation programs on CD-ROMs, and charge a fee for that bundling/CD service. Both are excellent versions of Linux. One is SuSe Linux (SuSe is a German firm), and its product now resides on one of my machines in a dual-boot configuration. That is, at boot up, I can choose for Linux to be booted, or Windows 98se. I find it very interesting that if I boot Windows, it cannot see any of the Linux files on the hard drive, while if I boot Linux, it can see all its own files AND all of the Windows 98se files. I can even open a Microsoft Word file with SuSe Linux, edit it, then save the edited copy as a Word file! SuSe Linux is very good, and, of course, it comes in an English version. Version 9 is the latest and greatest, at this writing.

Red Hat Linux is the other brand – I have installed it on a couple of machines. Its look and feel are really very Windows-like, and I like the clean lines of the Desktop a bit better than SuSe. Version 9 is the latest, and you can download it at <http://www.linuxiso.org/distro.php?distro=7>. Alternatively, I purchased for \$16.95 (including shipping!) a 9-CD set that included Red Hat 9, all the source code, all the documentation, a Rescue CD and a copy of OpenOffice (reviewed next) from <http://www.freepctech.com>. Check them out for a similar deal.

Now let me tell you about OpenOffice! This suite is free, free, free (you can download it from <http://www.openoffice.org>). It is a true suite, because it comes with a series of programs that are very similar to those in Microsoft Office. I am writing this article in it now (!), and one could not tell that the application is not Microsoft Word without looking at the toolbars very closely. Yes, you can create, edit and save documents in the Word format with it, which is what I am doing right now. OpenOffice also comes with programs that are similar to Microsoft PowerPoint and Excel, with a drawing program thrown in. What I am reporting to you here is that you need not spend hundreds of dollars for Microsoft Office – OpenOffice will give you the same functionality, plus the ability to handle Microsoft files as well. Truly, there are alternatives! Happy computing.

One of the oldest radio amateurs in the US has become a Silent Key. Michael J. "Mike" Anuta, W8HKY, of Marinette, Wisconsin, died September 9. He was 103. After leaving school following the eighth grade and working as a Western Union delivery boy and a railroad telegrapher, Anuta went on to become an attorney and enjoyed a 67-year legal career in Michigan.

"We are deeply saddened to hear of Mike's passing," said Wisconsin Section Manager Don Michalski, W9IXG. "He was truly a fine gentleman, and we'd like to think that Amateur Radio contributed to his long and happy life."

First licensed as WN8HKY in 1952 during the early days of the Novice program, Anuta quickly upgraded to General and remained active through the 1970s. When he moved into a retirement apartment, he sold his ham gear but kept his ticket current. After reading a newspaper account of the 50th anniversary of the Marinette and Menominee Ama-

tear Radio Club in 2000, he decided to get back into ham radio. He rejoined the club, bought a 2-meter hand-held and--until his failing eyesight and hearing prevented him from doing so about a year ago--he regularly checked into the club's Sunday night 2-meter net. Anuta also rejoined the ARRL, and in 2001, when he turned 100, the League sent a special greeting to Anuta and congratulated him on attaining centenarian status.

Survivors include Anuta's wife of nearly 83 years, Marianne. A service will be held September 21, 11 AM, at First Presbyterian Church in Menominee.

The family invites memorial contributions to the Presbytery Point Camp, c/o Presbytery Point Board, G. Christopherson, Ishpeming, MI 49849, or to the Bay-Lakes Council, Boy Scouts of America, PO Box 267, Appleton, WI 54912.

The ARRL Letter and The American
Radio Relay League, September 17, 2004



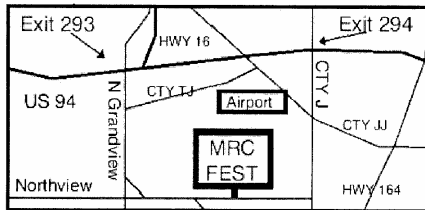
The Milwaukee Repeater Club Presents... our 20th Annual Swapfest!

AMATEUR RADIO Fest 2004

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Saturday November 6, 2004
8:00 am to 2:00 pm

Waukesha County Expo Center Forum Buildings
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Admission: \$6.00
Tables: \$17.00 per 8' table *Vender Loadin*
Electricity: \$17.00 *5:00 AM*



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New and used Ham and CB radios, batteries, antennas, scanners, test equipment, parts, connectors, electronic components, tubes, wire, coax, cable, switches, computers, software, and much more.

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Featuring our “Famous” breakfast Specials! Pancakes, eggs, sausage, orange juice, coffee and more!
Food counter open all day with hot dogs, brats and afternoon delights.

TALK-IN

Talk-In will be on the MRC Repeater, 146.910, -offset, 127.3 PL

For Further Information:

Browse our Web Page at: <http://www.mrc91.org>

Send us an e-mail at: Swapfest@mrc91.org

Call Co-Swapfest Chairman Bob Albert (AB9FB) at: **414-526-7011**

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of Tickets: _____ x \$6.00 = _____ (Each vendor must have an admission ticket)
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Send your order and check payable to: Milwaukee Repeater Club / PO Box 2123, Milwaukee, WI 53201-2123
Please enclose a SASE so your tickets can be mailed if ordering by October 23, 2004



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association
Allen Schnepf, N0GMJ, Treasurer
Ogema, WI 54459

Andy Nemec, KB9ALN, Editor—453 Cottage Grove Avenue—Green Bay, WI 54304—e-mail: kb9aln@gbonline.com

Unfortunately, I haven't been able to get anything together for October. I'll have something for December, though, so lease put a note in there saying we'll be back for the next issue. Thanks, Andy Nemec.

Internet e-mail:
kb9aln@gbonline.com
amprnet -
kb9aln@kb9aln-5.ampr.org

The Test Point



Amateur Radio Examination Locations
and Schedules in the Area

(Continued from page 7)
given at the old Sterman Printing shop, just 300 feet west of the AES store. Novice to Extra are offered, and all test materials are provided. Fee is \$10.00, and bring your original license, or CSCE if needed. Also available are Commercial license exams GROL (General Radiotelephone license), GMDSS, Telegraph, Etc. Fee is \$35.00. For more information call Gary Sharbuno, WI9M at (414) 355-0237.

Milwaukee, WI
Milwaukee Radio Amateurs' Club (MRAC VEC) Last Saturday, except in March, June, August, and December. In addition, we test at the West Allis RAC Swapfest in January and at Superfest in April. 9:30 a.m. to noon at Amateur Electronic Supply (AES), 5710 W. Good Hope Road (the door you enter is actually numbered 5730), Milwaukee. For additional information, call (262) 797-MRAC. Bring along your original license, CSCE (if any), and one (1) good quality photocopy of each, plus two forms of identification, such as a driver's license, etc. Also required is \$8.00 for the exam fee. Walkins are welcome. To register in advance, use a post card. Print the grade of license you are applying for, your name, address, and telephone number, and send the card to MRAC/VEC, Milwaukee Radio Ama-

teurs Club, P.O. Box 070695, Milwaukee, WI 53207. Contact: John G. Kraak, 262-797-6722.

Onalaska, WI
Riverland ARC (ARRL/VEC). 9:00 a.m. Onalaska Public Library, 741 Oak Street, Onalaska, WI. Contact: Roger Reader, KA9BKK, 608-783-0723, readers@centurytel.net.

Oshkosh, WI (Omro)
Oshkosh VE Team Amateur Radio exams monthly on the second Saturday. Registration begins at 8:30 a.m. and exams will be given from 9 a.m. until noon. Omro Community Center, 130 W. Larrabee, Omro, WI. Walkins welcomed. Bring a good quality photocopy of your original license and any other necessary documents such as a CSCE, etc. The first session will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. The exam fee is \$6.65. For more information, please call Dick Lemme, K9FA, at (920) 235-0987, e-mail: lemme@vbe.com, or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

Portage, WI
ARRL / VEC Amateur testing on Oct. 23, 2004. Testing will begin at 9:00 AM at the Columbia County Law Enforcement Center 711 E. Cook St. (Hwy 33) Portage, WI. Talk-in freq. is 146.520 MHz. For more information contact Brian Smith, KG9OG at 608-742-4562 or Ed Wagner, AB9FN at ab9fn@arrl.net. Walk-ins are welcome.

Racine, WI
ARRL VEC Monthly - first Saturday, except January, July, and August. Monthly exams are given 9 to 11 a.m. at the Faith United Methodist Church, 1013 Harmony Drive, Racine. Walk-ins are permitted. Talk in on 147.87/.27. Inquiries and registrations should be directed to Paul B. Smedegaard, N9RGW, 929 Lathrop Ave., Racine, WI 53405-2339. Telephone: (262) 637 4750. or e-mail to smedegaa@wi.net

Sheboygan, WI
VE testing dates in Sheboygan County, Wisconsin, for 2003 will be according to the following schedule:
Saturdays 8:30 AM, 10, 13 September
Tuesdays 6:30 PM, 15 July. 18 Novem-

ber
Sheboygan County ARC (ARRL/VEC). Exams are held in the Red Cross Building, 2032 Erie Avenue, Sheboygan, WI. The test areas are handicap accessible with signage posted to direct candidates to the proper area of the building. Walk-ins are accepted, however notification ahead of time of your intention to appear would be appreciated.
Contact: Art Pahr K9XJ 9 2 0 - 876-2370
N8029 Willow Road k9xj@arrl.net
Plymouth, WI 53073-2929

Shell Lake, WI
NORWESCO ARES/RACES (ARRL/VEC). Washburn County Law Enforcement Center, lower level meeting room, 421 Hwy 63, Shell Lake. Walk-ins allowed. This is for all classes of license. Persons wishing to upgrade an existing license should bring a photocopy of it to submit. Also need a photo ID to prove who you are. The fee is \$10.00. Contact: Richard J. Eckenrode, 715-466-4109. Email: cen34109@centurytel.net. Web Site: fp1.centurytel.net/norwesco/.

Tomahawk, WI
Tomahawk ARRL VE Team (ARRL/VEC). Last Saturday of every month, January thru October. Registration at 8:30 a.m. and testing starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633, dcollins@newnorth.net.

St. Paul, MN
Saint Paul Radio Club (SPRC) First Saturday of the month, 8:30 a.m. Test Site: St. Paul Technical College, 235 Marshall Ave., St Paul, MN. Ed VanCleave, W0VC, (612) 636-0108. www.qsl.net/sprc/index.html.

Rockford, IL
Northern Illinois Volunteer Examiners (W5YI VEC) Third Saturday of every month. 9:00 a.m. to noon. No new applicants after 11:00 a.m. Walkins welcome. Held at St. Anthony Hospital, 5660 E State St., Rockford, IL. Rusty Cordell, WB9QYV, 1823 Hulin St., Rockford, IL 61102-2619. (815) 968-0080. e-mail: WB9QYV@aol.com.

Wausau Technician Classes

The Wisconsin Valley Radio Association (W9SM) in Wausau will be sponsoring a Technician level amateur radio licensing workshop the weekend of October 9 and 10 at the American Legion in Wausau. A VE Exam session for all license classes will be held on Sunday, October 10 as well for anyone needing to test.

The ARRL's "Now You're Talking" <<http://www.arrl.org/catalog/?item=8810>> 5th edition is a required text. It is highly recommended to purchase the book ahead of time and become familiar with it before the workshop.

Anyone successfully completing the workshop and testing session will be given a graduation certificate and a one year membership to the Wisconsin Valley Radio Association.

Class space is limited to 25. Anyone interested or any questions can be directed to <<mailto:KB9STB@wvraclub.org>> Myron Oestreich, KB9STB. Email address is kb9stb@wvraclub.org. The WVRA's website is www.wvraclub.org <<http://www.wvraclub.org/>>.

Please pass this note along to anyone who may be interested or post on your organization's website.

Thank you. Have a good day.

Myron Oestreich, KB9STB President,
Wisconsin Valley Radio Association

How come we choose from just two people for President and 50 for Miss America?

"There are three kinds of men: The one that learns by reading, the few who learn by observation and the rest of them have to pee on the electric fence for themselves."

-- Will Rogers

Under every stone lurks a politician.
-- Aristophanes


Some of us have reached the age where the happy hour is a nap.

When a new day breaks, fix it!



Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)
K9ODK (Robert L. Prine Memorial Call)
Club net: Sundays 8:00 p.m. on 147.315
Robert Loomis, KB9VSQ, Secretary
108 Scarlet Ct., Reedsburg, WI 53959
YTARC Home Page: <http://www.qsl.net/ytarc/>



Minutes of July Yellow Thunder Radio Club Meeting: Meeting was opened by Steve, N9UDO, club President at the usual time of 7:15 p.m.

Minutes of the last meeting were read, and a motion to accept made by K9JYX seconded by KA9TBU. The motion passed. The Treasurer's report given, the club is financially secure.

Old Business: Field day: started on June 25 thru the 27. Setup was on Friday and then followed by burning Brats on the grill. They also set up the camp area. The Field day exercise ran from 1:00 Saturday to 1:00 Sunday. The club operated as a 3A station. That means more than 1 station, and non-commercial power was used. The stations set up were as follows:

2 meters and 6 meters: operated by N9UDO who had approximately 86 contacts.

10 and 20 meters operated by KA9QFJ, who had approximately 180 contacts.

15 and 40 meters operated by N9PQJ, who had approximately 110 contacts.

K9JMP operated the go to station along with 40 C.W.QRP, with about 100 contacts.

They had a few curious visitors during the contest. Including a couple "looking for love" They moved on to a quieter place. Another visitor was the past president, WT9Q, Bob. It was great to see him again. Saturday night dinner consisted of a pot luck dinner, with the club supplying pop and grills. Sunday breakfast was a HUGE feast with plenty of food left over.

Circus Parade: We held a critique of the circus parade with Pete, WD9JIB, the Sauk County ARES/RACES coordinator. Participating in the parade was Sauk County ARES/RACES, Columbia County, ARES/RACES, and YTARC. Records from the command center were passed around for everyone to see. Overall communications were very good, with only John, N5SHF having a little problems with low power briefly. He switched to medium and had no more problems.

We had a presentation by John, N9BTM, who presented a project he is working on with the Wisconsin-Nicaragua Partners of the Americas. They are trying to set up a repeater system in Nicaragua, and are looking for older 2 meter hts, HF gear, mobile units, for use in emergency communications. They are also

looking for hts, solar panels, pieces of coax with old connectors on them, antennas, and any other pieces of gear you might have laying around. They need very BASIC equipment, as the people there have very little to no money. All donations are tax deductible. They are also looking for what we call "junk boxes" So if you have anything to donate, contact John Jackson at 1-800-528-0525 x4794 email: john.jackson6@honeywell.com Pack all equipment very well in boxes, label them Club Radio Tomabu, Esteli, Nicaragua.

We paused the meeting at 8:00 for the special Sullivan Weather net.

The weather training was on how relay stations send their info to Sullivan.

Example follows:

"315 relay hail"

Sullivan replies "315 relay, go"

315 relay replies with

TLCS(Time, Location, Condition, Source)

Sullivan replies "315 roger"

315 relay replies with call sign and out

This is also the format we should be using for our Skywarn nets. It makes it short, sweet, and informative to the NCS. It also frees up the airwaves for other reports in the shortest time.

Motion was made by K9JYX to adjourn meeting, seconded by WD9JIB. The motion passed and the meeting was adjourned at 9:21 P.M. by N9UDO.

Respectfully submitted by Rick, N9ROY, Asst. Secretary.

Attending:

Rick Plouffe	N9ROY	Wisconsin Dells
Juanita Plouffe, lovely wife of N9ROY		
John Stein`	N5SHF	Reedsburg
Don Evenson	K9JYX	Baraboo
Pete Sweeney	WD9JIB	Reedsburg
Dave Spearing	KB9CSW	Portage
Maurey Gurgel	KA9TBU	Reedsburg
Bill Stehling	KC9CVD	Sauk City
Donna Stehling, Lovely wife of KC9CVD		
Tom Harrison	N9PQJ	Reedsburg
Steve Schulze	N9UDO	Baraboo
John Jackson	N9BTM	Glendale Az.
Bill Klinkner	N9KXX	Sauk City

Check us out on the web at
<Http://www.bssts.org>

Yellow Thunder Amateur Radio Club

August 2004 Minutes

At 1900 (7:00 P.M) Steve Standard Time (1925 (7:25 P.M.) local or CDT) our Chieftain and timekeeper, President Steven Schulze, N9UDO, called the Yellow Thunder Amateur Radio Club to order. The meeting was held in its normal location, the Sauk county EOC, deep in the bowels of the Sauk County Court House in Baraboo WI.

First order of business was the secretary's report. A motion was made to accept July minutes as published via email and printed copy presented to the board. Motion was seconded and approved by voice vote, with one nay by minutes author Rick, N9ROY.

Second order of business was the Treasurers report by Billy, N9KXX. He reported a balance of xyz in the club account. There were some membership dues presented to the treasurer before the meeting to add to this amount.

Old Business:

A discussion was had about the National Weather Service Net Control training at last months meeting. Also a discussion of weather reporting was had.

New Business:

Bill N9MMM mentioned The Columbia County ARES/RACES Group of YTARC members were interested in the joining the club

Yellow Thunder Amateur Radio Club

September 2004 Minutes 09/02/2004

Good evening Mr. and Mrs. Amateur Radio and all boats on the lakes...

Call to Order:

Our Club President called the September meeting of YTARC to order, Stevie Schulze N9UDO, at 1928 (7:28 p.m. CDT), in the communications center of the County EOC in the Sauk County Court House, Baraboo WI.

Secretary's report:

Motion by Bill KC9CVD and second by Tom N9PQJ to accept the minutes as presented at the meeting and by email by Bob KB9VSQ. Motion carried. Also a letter from Bob WB9EIW inquiring as to his member ship status was presented to the membership present. This will be forwarded to our treasurer, N9KXX to be resolved.

Treasurers Report Report presented by our President due to the absence of Bill N9KXX. Our treasury has a current balance of \$x.xx American. Also all bills reported as current.

Old Business:

Swapfest number 8 was a great success. The members present discussed profits from the event. Also Steve N9UDO mentioned that the prizes discussed at last month's meeting didn't happen due to an oversight. But the do-

in participating in Field Day with YTARC at Owens Park. It was pointed out that Owens Park is in Columbia County and that all are Amateur radio ops are welcome to participate. And anyone is welcome to attend.

Circus City Swapfest, there was discussion of this event. Also there was discussion of what to have for a door prize. A group of door prizes was decided on, a \$50 prize, and two \$25 prizes. And there was discussion about next year having a raffle or auction. This was tabled for future research on the required licensing and/or permits. Steve reported the arrangements for food and beverages are made, many thanks to Karen. Gates will be open for members, volunteers, and vendors at 0600 Saturday August 14. They will open for all others at 0700.

At 2024 (8:24P.M.) CDT a motion was made to adjourn.

Steve N9UDO brought up that Don W9IXG had requested the use of the 147.315 YTARC repeater, for the Right Stuff Bicycle Race on September 5, 0600 to 1800 CDT. This was approved by voice vote of the members present. There was some informal discussion on this and other events using the repeater.

Respectfully submitted
Robert Loomis, YTARC Secretary

nated prizes that were given did go over well. Next years Swapfest will be August 13, the building is reserved.

Steve N9UDO brought to the membership a request from Don W9IXG to use the club repeater as a backup for the Quadrapedal fundraiser for the Iowa County Humane Society. Motion by Pete WD9JIB to Approve, seconded by Tom N9PQJ and passed by Voice vote approved as presented.

New Business:

Steve N9UDO brought to the membership that it is nomination time for board members. He opened the floor to nominations, none made. An opportunity to nominate people to the board will be made at the October meeting. Steve will announce this on the Sunday night net .

A motion to adjourn was made by Bill KC9CVD and seconded by Pete WD9JIB. Motion carried by voice vote.

Respectfully submitted
Robert Loomis, YTARC Club Secretary

Members Present

Peter Sweeney	WD9JIB	Wild West Reedsburg
Bill Stehling	KC9CVD	Sauk City
Ken Ebnetter	K9EN	Portage
Gary Sorenson	W9ULK	Oxford
Thomas Harrison	N9PQJ	Reedsburg
Steven Schulze	N9UDO	North Baraboo
Robert Loomis	KB9VSQ	Eastern Reedsburg



SSB



SELL SWAP BUY

OUR WANT ADS GET RESULTS


Wanted: Someone to take down a 70 foot Rohn tower and a two element cubicle quad on the top. Please contact me at wb9eiw@centurytel.net or 608 742-6460 with your price. OR someone to buy the above for \$225 or best offer. Your must take down.

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SWAPFESTS

<div><p>2002 WINNER Michael J. Haessler, KB9TG Waupaca, WI.</p><p><i>Both sponsored by: THE WEST ALLIS RADIO AMATEUR CLUB, INC. P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201</i></p></div> <div><p>32nd ANNUAL MIDWINTER SWAPFEST WAUKESHA EXPOSITION CENTER WAUKESHA, WISCONSIN SATURDAY JANUARY 8, 2005</p></div>	<p><i>HAM IT UP EVERY SPRING!</i> MADISON SWAPFEST Mandt Community Center <i>APRIL 17, 2005</i> 400 Mandt Parkway Stoughton WI Doors open at 8 a.m. Sponsored by MARA/W9HSY P. O. Box 8890 Madison, WI 53708-8890 swapfest Information Line. (608) 245-8890</p>	<p>SOUTH MILWAUKEE AMATEUR RADIO CLUB SWAPFEST 04 JULY 9, 2005 (Held every July) <i>American Legion Park Shepard Avenue • Oak Creek, WI</i> (414) 762-3235 Ask for Verne P.O. Box 102 South Milwaukee, WI 53172 e-mail ryatex@aol.com</p>
<p>SEWFARS SWAPFEST HAM RADIOS • COMPUTERS • ELECTRONICS AMATEUR LICENSE EXAMS APRIL , 2005 Setup starts at 6:00 A.M. For more information, call (262) 742-4903</p>	<p>The Chicago FM Club presents RADIO EXPO 2005 September , 2005 Lake County Fairgrounds, Rts. 45 and 120 Grayslake, Illinois Free parking • Amateur Exams • Talkin 146.16/76 Info Voice mail and FAX: (708) 457-0966 http://www.chicagofmclub.org P.O. Box 56784, Harwood Heights, IL 60656-0724</p>	<p>TRI-COUNTY ARC PRESENTS HAMFEST 2004 March 20, 2005 YOUR SPRING FAVORITE ! www.cmdline.com/tcarc/ TCARC 213 Frederick St (920) 563-6381 Fort Atkinson, WI 53538 Evenings</p>
<div><p>NSORC <i>Fest</i> formerly known as LAMARfest Lake County Fairgrounds, Grayslake, Illinois Radio, Electronic, Computer Swapfest www.nsrc.org</p><p>APRIL 16, 2005 Grayslake, IL</p></div>		<p>The Milwaukee Repeater Club presents AMATEUR RADIO FEST 2004 November 06, 2004 Waukesha County Expo Center Forum Buildings For more information, see: http://www.mrc91.org e-mail mrc@mrc91.org or call (414) 526-7011</p>
<p>Ozaukee Radio Club 23rd ANNUAL RADIO AND COMPUTER SWAPFEST MAY 7, 2005 8 a.m. to 1 p.m. • Circle B Recreation Center Intersection of Highway 60 and County I Exams by Badger Examiners, c/o Gary Sharbuno, 5119 W, Willow Rd., Brown Deer, WI 53222 Swapfest sponsored by the Ozaukee Radio Club W55 N865 Cedar Ridge Drive • Cedarburg WI 53012</p>	<p>Circus City Swapfest Sponsored by the Yellow Thunder Amateur Radio Club Saturday, August 13, 2005 • 7 am—Noon Sauk County Fairgrounds • Baraboo, WI</p> <div><div>Vendors • Concessions Camping • Free Parking Tail Gate Area</div><div>\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables</div></div> <p>Steve Schulze, N9UDO • Bill Klinkner, N9KXX (606) 356-2313 • (608) 643-6908/643-6453 http://www.qsl.net/ytarc/hamfest.htm,</p>	<p>SOUTH MILWAUKEE AMATEUR RADIO CLUB AUCTION Amateur Radio, Computers & Electronics Wed. OCTOBER 6, 2004, 6:00 p.m. <i>American Legion Post 434 Shepard Avenue • Oak Creek, WI</i> (414) 762-3235 Ask for Verne P.O. Box 102 South Milwaukee, WI 53172 e-mail: ryatex@aol.com</p>

PRODUCTS AND SERVICES

<div><p>TOWER ELECTRONICS THE HAMS DIME STORE AND WHOLESALE TO THE WORLD</p><div><p>ORDERS 1-800-662-3422 TECH INFO 920-435-3359 FAX LINE 920-435-2980</p></div><p>SCOTT KB9AMM & JILL KB9PZF E-MAIL pl-259@juno.com P O BOX 12631 GREEN BAY, WI 54307-2631 PRODUCTS FOR HAMS FROM HAMS SINCE 1978 www.pl-259.com</p></div>	<div><p><i>Antenna Service Plus & Tower</i> <i>We'll Treat You Like Family!</i> For Professional Installs, Repairs & Removal Towers, Satellite, Prewire Cabling, T.V., C.B., Cellular, Construction, Home Theater, Telephone, Law Enforcement, Amateur & Business 2 Way. 1613 10th Street Web: www.go.to/asplus Monroe WI 53566 E-Mail: antennaseviceplus@yahoo.com Ph: 608-329-4500</p></div>	<p>Mr. NiCad's BATTERIES AMERICA For all your portable power requirements! www.batteriesamerica.com</p> <div><div>Battery Packs for, Ham Radio (inserts too !) R/C Hobby Laptop/Notebook Digital Cameras Cellular Phone Video Camcorder</div><div>Address: 221 1 -D Parkview Road Middleton, WI 53562 (Store open 8 am - 5 pm M-F) Ph: 608-831-3443 Fax: 608-831-1082 e-mail: ehyost@midplains.net</div></div> <p><small>Now in stock., EBP-48 NiMH for Alinco; BP-180 NiMH for ICOM; BP-200 NiMH for ICOM; FNB-58LI for Yaesu PS-39 NiMH for Kenwood; ADI HT-600 NiMH, FNB41 NiMH for Yaesu; OB-202 for Radio Shack; PS-34 NiMH & PS-13 NiMH for Kenwood. EBP-22 NiMH for Alinco; & more! And...The UDO-9000 Universal Charger! Call for info / pricing, or visit our website! Nickel Cadmium / Nickel Metal Hydride / Lithium on / Sealed Lead / Alkaline</small></p>
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